

PROCEEDINGS OF THE FIFTY-EIGHTH ANNUAL MEETING

GEORGE A. HALL, Acting Secretary

At the invitation of the Department of Zoology and the Department of Wildlife and Fisheries of Mississippi State University, the Oktibbeha Audubon Society, the Mississippi Ornithological Society, and the Noxubee National Wildlife Refuge, the Fifty-eighth Annual Meeting of the Wilson Ornithological Society was held on the campus of Mississippi State University near Starkville, Mississippi, from Thursday 19 May to Sunday 22 May 1977. The Executive Council met on Thursday evening in Harned Hall. Business sessions, and scientific papers' sessions were held in McCool Hall on Friday and Saturday.

On Thursday evening members were entertained at a reception at the Lakeside Country Club. A session of 3 motion pictures (Atchafalaya, At the Crossroads, Life in a Weaverbird Colony) was held on Friday evening.

The Annual Banquet was a buffet dinner held on Saturday evening at the Mississippi State Union. After a few announcements including the announcement of the award winners the group moved to McCool Hall for the showing of a most impressive movie on the Harpy Eagle presented by Neil Rettig, Wolfgang Salb, and Alan Degan.

On Friday and Saturday mornings, field trips were held to the Noxubee National Wildlife Refuge, where the feature was a nesting Red-cockaded Woodpecker who performed beautifully for all, and to the Cliftonville Heronry, a colony of Little Blue Herons and Cattle Egrets. On Sunday a somewhat longer trip was taken to Noxubee Refuge, and many of the members participated in a canoe trip on the Tombigbee River. A display of ornithological art was on exhibition at the University library and in the MSU Union. Trips were arranged to a local clock factory and to some antebellum homes. A star gazing session was also held on Thursday and Friday nights.

FIRST BUSINESS MEETING

The session was called to order at 9:15, Friday 20 May by Local Chairman J. A. Jackson. He introduced Dr. J. C. McKee, Vice-President for Research and Graduate Study at Mississippi State University, who made a short speech of welcome. President Andrew J. Berger then responded for the Wilson Society and called to order the first business meeting.

The minutes of the 1976 meeting at Ithaca, New York were approved.

Acting Secretary G. A. Hall summarized the actions taken by the Executive Council on Thursday evening:

1. The Council heard reports from the officers and committee chairmen, copies of which follow.
2. The Council unanimously re-elected Dr. Jerome A. Jackson as editor of the Wilson Bulletin.
3. The 1978 meeting will be held at Jackson's Mill, West Virginia, on 4-7 May 1978. No definite commitments for subsequent meetings have been made but tentatively the 1979 meeting will be in Duluth, Minnesota, the 1980 meeting will be a joint meeting with the Cooper Society, and the 1981 meeting may be in Charleston, South Carolina.

4. The Council is exploring the proposals made by the Council of the A.O.U. to produce a combined membership list for the 3 ornithological societies. Treasurer Ernest E. Hoover summarized the report of the Treasurer. The full report follows.

THE WILSON ORNITHOLOGICAL SOCIETY

REPORT OF THE TREASURER

Year Ending December 31, 1976

GENERAL FUNDS

Balance as of last report December 31, 1975 \$21,088.95

RECEIPTS

Membership Dues		
Active for 1976	\$ 4,203.00	
Active for 1977	11,640.00	
Total Active		\$15,843.00
Sustaining for 1976	135.00	
Sustaining for 1977	570.00	
Total Sustaining		705.00
Subscriptions to <i>The Wilson Bulletin</i>		
For 1976	1,963.50	
For 1977	6,580.00	
Total Subscriptions		8,543.50
Advance Renewals		419.50
Sales of Back Issues of <i>The Wilson Bulletin</i>		1,140.00
Interest and Dividends on Savings & Investments		
Income from General Endowment Fund	4,758.71	
Income from G. M. Sutton Colorplate Fund	1,761.14	
Interest on Endowment Savings Account	423.97	
Interest on Regular Savings Account	368.85	
Total Interest and Dividends		7,312.67
Royalties from Microfilming Back Issues of <i>The Wilson Bulletin</i>		185.24
Contributions from Authors and Others		1,878.00
Transfer from Regular Savings Account		7,000.00
 Total Receipts		 \$43,026.91

DISBURSEMENTS

<i>The Wilson Bulletin</i> (Printing & Engraving)	27,578.23
<i>The Wilson Bulletin</i> (Mailing & Maintenance)	2,351.08
Colorplate Processing Expense	2,201.80
Editor's Expense	1,703.26
Secretary's Expense	86.09
Treasurer's Expense	1,636.38
Committee Expense	302.32
Annual Meeting Expense	300.67

International Council for Bird Preservation	30.00
Miscellaneous Expense	2.00
Total Disbursements	\$36,191.83
Excess of Receipts Over Disbursements	\$ 6,835.08

GENERAL CASH FUND

Checking Account	\$18,978.39
Savings Account	\$ 2,464.86
Balance in Old Kent Bank and Trust Co., Grand Rapids, Michigan, December 31, 1976	\$21,443.25

JOSSELYN VAN TYNE MEMORIAL LIBRARY FUND

Balance as of Last Report December 31, 1975	\$ 804.27
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RECEIPTS

Sale of Duplicates and Gifts	1,041.70
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DISBURSEMENTS

Purchase of Books	1,437.76
Balance in Old Kent Bank and Trust Co., Grand Rapids, Michigan, December 31, 1976	408.21

LOUIS AGASSIZ FUERTES RESEARCH FUND

MARGARET MORSE NICE FUND

EDWARDS AND W.O.S. PAPER FUNDS

Balance as of Last Report December 31, 1975	\$ 313.00
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RECEIPTS

Contributions	2,634.00
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DISBURSEMENTS

Grant-In Aid

To Charles R. Brown	\$100.00
To Richard O. Bierragard	200.00
To Susan Hannon	200.00
To Stephen T. Emlen	200.00
To Arthur J. Wiseman	100.00
To Stephen Borecky	100.00

Total	\$ 900.00
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Balance in Old Kent Bank and Trust Co., Grand Rapids, Michigan, December 31, 1976	\$ 2,047.00
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AARON MOORE BAGG

STUDENT MEMBERSHIP AWARD FUND

Balance as of Last Report December 31, 1975	\$ 400.00
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RECEIPTS

Contributions	\$ 200.00
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DISBURSEMENTS

Student Membership Grants	\$ 176.00
Balance in Old Kent Bank and Trust Co., Grand Rapids, Michigan, December 31, 1976	\$ 424.00

ENDOWMENT FUNDS

GENERAL ENDOWMENT FUND

Balance in Endowment Savings Account, Old Kent Bank and Trust Co., Grand Rapids, Michigan as of Last Report, December 31, 1975	\$ 6,990.00
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RECEIPTS

Life Membership Payments	\$ 2,550.00
Balance in Endowment Savings Account, Old Kent Bank and Trust Co., Grand Rapids, Michigan, December 31, 1976	\$ 9,540.00
Investments Held as of December 31, 1976	
United States Government Bonds	\$ 5,393.75
International Bank Bonds	9,810.00
Canadian Provincial Bonds	4,100.00
Corporate Bonds	19,975.00
Convertible Corporate Bonds	2,625.00
Convertible Preferred Stocks	14,245.00
Common Stocks	53,733.50
Uninvested Principal	1,885.70
Total Investments	\$111,767.95
Total General Endowment Fund December 31, 1976	\$121,307.95

GEORGE MIKSCH SUTTON COLORPLATE FUND

Investments Held as of December 31, 1976	
International Bank Bonds	\$ 1,090.00
Canadian Provincial Bonds	4,587.50
Corporate Bonds	10,000.00
Common Stocks	9,050.00
Total Investments	\$ 24,727.50
Total Combined Wilson Ornithological Society Endowment Funds December 31, 1976	\$146,035.45

Ernest E. Hoover, *Treasurer*

Chairman C. E. Braun summarized the report of the Conservation Committee. The full report will appear later in *The Wilson Bulletin*.

Editor J. A. Jackson gave his report.

REPORT OF THE EDITOR—1976

From 1 January through 31 December 1976, I received 183 new manuscripts; this figure does not include book reviews and news items. I received 78 new manuscripts during 1977 through 17 May. Rejection rate for manuscripts received during 1975 and

processed to some definite outcome was 34.9%. For manuscripts received thus far in 1977, the rate has been 37.5%. Turn-around time for both notes and papers is presently about 15 months from date of acceptance to date of publication and is improving. Processing time (time from receipt to acceptance of papers published in volume 88—including time needed for revision by the author) averaged 87.8 days for notes and 147.4 days for major papers. Time from receipt to rejection of manuscripts averaged 47.6 days.

Through the generosity of George M. Sutton, it was possible to include a color plate in each issue of volume 88. Volume 88 included 721 pages and was the largest volume published to date; this increased size was made possible by generous contributions from a number of Society members. Editing of volume 88 was facilitated by the assistance of nearly 200 referees, by the hard work of my editorial assistants, and by the patience, hard work, and expertise of my secretary, Lyda Eubanks. I gratefully acknowledge the efforts of all of these individuals.

Jerome A. Jackson, *Editor*

The composition of the following committees had been previously announced: Nominating—O. S. Pettingill, Chairman, H. L. Batts, P. S. Street; Resolutions—R. D. Burns, Chairman, S. A. Gauthreaux, S. F. Spofford; Auditing—J. F. Ponsair, G. M. Wickstrom. President Berger appointed R. C. Banks, J. A. Mosher, R. W. Schreiber, and R. C. Whitmore as a committee to judge student papers for the Alexander Wilson Prize.

A list of new members was posted for inspection by the membership.

REPORT OF THE MEMBERSHIP COMMITTEE—1976-77

A major task for the Membership Office this past year was the preparation of the new membership list. Our experience with the 1974 list had led us to believe that we had a system that could generate the product with a minimum of time and effort. Such was not the case! Despite frequent correspondence with the Treasurer and diligent efforts to keep up-to-date files, we found many errors—and our membership found more following publication. Although we continue to believe that the membership list is a proper function of this office rather than of the Treasurer, it is clear that a better form of filing must be devised.

Since the last annual meeting, we have added 240 new members. Against these we count losses of 11 through death and 209 by suspension, leaving a net gain of 20. The number of suspensions is unusually large and includes professional and foreign members of long standing. We hope their loss will prove temporary.

Fifty-one members used the space provided on the dues notice to suggest one or more possible new members. We do not have complete figures, but at least 17 of these suggestions led to successful recruitments.

As a side interest this year, we kept track of membership migration. Our membership proved to be highly mobile. Two-hundred-fifty-five of them moved; 19 moved twice. Because each address change involves a certain amount of paper work and expense, we would like to encourage those members who know that they may move about frequently but have a reasonably stable base of operations, e.g. an academic department, to use that locus as their address for the Society.

Abbot S. Gaunt, *Chairman*

REPORT OF THE STUDENT MEMBERSHIP COMMITTEE—1976

Letters requesting membership nominations of college students interested in ornithology and inviting application from exceptional students to be considered for Aaron M. Bagg Student Membership Awards were sent to all members affiliated with educational institutions in the Wilson Ornithological Society and American Ornithologists' Union (duplications eliminated). This totaled approximately 850 letters mailed. The Cooper Ornithological Society was not included because the new membership list was issued after the mailing deadline. This activity resulted in 147 student nominations including 61 nominated for membership awards of which 34 were selected as award recipients. The award recipients will be announced in *The Wilson Bulletin*.

Also, letters requesting nominations of promising pre-college students were mailed to the natural history and conservation organizations and institutions in 9 northeastern states. This resulted in 36 pre-college nominations. In keeping with the practice of the past, this procedure will progress from region to region on a yearly basis.

In total, combining college and pre-college students, the committee processed 183 student nominations. Evaluation of the number of these that actually joined was not pursued.

Douglas James, *Chairman*

REPORT OF THE CONSERVATION COMMITTEE—1976

Activities in 1976-77 centered around review of management practices on National Wildlife Refuges in the United States and preparation of a report dealing with the problems involved. The committee's report on refuge management practices will be published in a future issue of *The Wilson Bulletin*.

Considerable demand for copies of previous Conservation Committee reports on eagles, Sandhill Cranes and sagebrush avifauna continued in 1976-77 with over 50 requests being processed. The Conservation Committee contributed to the Environmental Impact Statement analyzing livestock grazing in Wyoming, provided reference sources and suggestions concerning effects on birds of spraying with insecticides for control of spruce budworm in New Brunswick, and contributed to a request for data on the status of Sandhill Cranes in British Columbia. By far, most correspondence received in 1976-77 concerned refuge management practices.

Clait E. Braun, *Chairman*
Keith W. Harmon
Jerome A. Jackson
Carroll D. Littlefield

REPORT OF THE LIBRARY COMMITTEE—1976

During calendar 1976, the Josselyn Van Tyne Memorial Library continued to grow and prosper. Janet Hinshaw (very capably relieved for a time by Elizabeth Strauch) continued to make good progress with the ongoing problems of sorting, filing, shelving, and the correction of remaining discrepancies in lists and records, along with the day-to-day affairs of mailing, receiving, and correspondence, and handling of back issues of *The Wilson Bulletin*.

The New Book Fund was put to good use in some 44 judicious purchases of books and journals, while being considerably bolstered by the sale of duplicates. Sixty-eight

loans were made to 50 members: in all, 204 books, journals, reprints, translations, and photocopies. Through 110 exchanges for the *Bulletin*, we received 135 journals, news letters, and reprints. Complimentary subscriptions and gifts raised the total of periodicals received to about 160.

Donations are once more most gratefully acknowledged: 1068 items in all, from 32 members and organizations. These included 682 reprints, 268 journals, 84 books, 1 thesis, 5 translations, 18 reports, abstracts, and pamphlets, from the following: W. H. Behle, A. J. Berger (over half the items, most being reprints), G. R. Brody estate (50 items), California Dept. Fish and Game (by R. M. Jurek), C. T. Collins, J. Cooper, Delaware Museum of Natural History, P. B. Hamel, F. Haverschmidt, E. Hoover, D. W. Johnston, L. Kelson, C. Kendeigh, LGL Ltd. (by W. J. Richardson), Linnaean Society of N.Y. (by R. W. Dickerman), H. G. Lumsden, H. F. Mayfield, M. E. Morse estate (42 items), R. B. Payne, A. R. Phillips, R. A. Romanes, W. Southern, P. Stettenheim, Mrs. W. C. Stone, J. G. Strauch, Tamarack Press, Welder Wildlife Foundation, L. Wolf, Col. L. R. Wolfe, M. Wood, Yale University Press, R. L. Zusi.

Your support is most gratifying. May it continue. Contribute as you are able; purchase duplicate items offered for sale; most of all, make use of our fine Library collections for your own profit and pleasure.

William A. Lunk, *Chairman*

SECOND BUSINESS MEETING

President A. J. Berger called the Second Business Session to order at 15:00 on 21 May 1977.

The following report of the Auditing Committee was read and accepted.

AUDITOR'S REPORT

We have examined the treasurer's records, bank statements, cancelled checks, account books, and other financial records of the Society covering transactions occurring during the past fiscal year. The financial status of the Society is substantially as set forth in the Treasurer's Report dated 31 December 1976.

Our examination ascertained that all income has been applied to the proper funds and no expenditures have been made except as authorized.

James E. Ponshair, *Member*

George M. Wickstrom, *Member*

The list of new members previously posted was voted on and the persons listed were formally accepted as members of the Society.

Chairman O. S. Pettingill presented the following slate of officers as proposed by the Nominating Committee; President, Douglas A. James; First Vice-President, George A. Hall; Second Vice-President, Abbot S. Gaunt; Secretary, James Tate, Jr.; Treasurer, Ernest E. Hoover; Elective Member of the Council, term to expire in 1978, Sidney A. Gauthreaux, Jr.; Elective Member of the Council, term to expire in 1980, Clait E. Braun. This report was accepted, and there being no other nominations from the floor, the Secretary was instructed to cast a unanimous ballot for the slate.

Chairman E. D. Burns and member S. A. Gauthreaux of the Resolutions Committee presented the following resolutions which were adopted by the membership.

WHEREAS, the United States Government is currently funding a number of water projects of doubtful economic value, of questionable safety, and destructive to natural environments, and,

WHEREAS, many of these water projects currently under construction would eliminate or severely damage much essential habitat for certain low density or localized bird populations, particularly in the Southwest, and,

WHEREAS, the economic and environmental values of these projects are currently being carefully, reexamined by the President of the United States,

THEREFORE, BE IT RESOLVED that the Wilson Ornithological Society opposes the construction of all water projects that are detrimental to the environment and of dubious value to human welfare, and urges that full and careful consideration be given to environmental concerns before approval of future water projects, and

BE IT FURTHER RESOLVED that the Society commends President Carter for proposing the review and possible cancellation of unsound water projects.

WHEREAS, certain agencies within the Federal Government have become increasingly interested in research on and management of non-game species of wildlife, particularly birds, and

WHEREAS, there is pending legislation that would increase funds for work on non-game wildlife, by Federal and State Agencies,

THEREFORE, BE IT RESOLVED that the Wilson Ornithological Society commends the Fish and Wildlife Service, the Forest Service, and the Bureau of Land Management for their increased interest in non-game species of wildlife and,

BE IT FURTHER RESOLVED that the Society urges passage of the pending legislation that would further increase support for work on non-game species of wildlife by Federal and State Agencies.

WHEREAS, the recent general interest and concern for the environment has frequently resulted in a number of published accounts of the locations of breeding and roosting areas of rare and endangered species in journals, newspapers, environmental impact statements, and other places, and

WHEREAS, this has too often resulted in increasing visitations by humans to certain locations and, thereby, further threatens the future survival of certain rare and endangered species,

THEREFORE BE IT RESOLVED that the Wilson Ornithological Society strongly discourages publication of detailed descriptions and/or photographs of breeding and roosting locations of rare and endangered species, and that authors, editors and compilers of such information make every attempt to protect these areas from undue human interference,

AND BE IT FURTHER RESOLVED that each and everyone of us be reminded that we are stewards of our natural world, and whether it be visiting, studying, photographing, or providing directions to the locations of rare and endangered species, that we be ever mindful of the consequences of our actions.

WHEREAS, the Fifty-eighth Annual Meeting of the Wilson Ornithological Society convened on the campus of Mississippi State University has been a smashing success, and

WHEREAS, the scientific program has been of high quality, the field trips were well organized and thoughtfully conducted, and in addition, the culinary talents of the Local Committee on Arrangements plus their gracious southern hospitality was out-performed only by the cooperativeness of the local Red-cockaded Woodpeckers,

BE IT THEREFORE RESOLVED that the Wilson Ornithological Society gratefully acknowledges and thanks the Local Committee on Arrangements and its Chairman, Jerry

Jackson, for their many efforts and long hours of toil which have made this meeting a memorable success.

The meeting adjourned at 15:25.

At the annual banquet the following awards and prizes were announced:

Louis Agassiz Fuertes Awards

Ernest E. Stevens, "The significance of the geographic variation in the rictal flange color of the parasitic Brown-headed Cowbird (*Molothrus ater*)"

Dale Lewis, "Environmental influence on the population structure and social behavior of *Plocepasser mahali*"

Margaret Morse Nice Award

Dale P. Hendricks, "Breeding range and distribution of the Brown-capped Rosy Finch"

Edwards Prize

Glen A. Fox, "Eggshell quality: its ecological and physiological significance in a DDE-contaminated Common Tern Population"

Edwards Prize, Second Place

Douglas W. Mock, "Pair-formation displays of the Great Blue Heron"

Alexander Wilson Prize

David R. Maurer, "The appendicular myology and phylogenetic affinities of the alcediniform Coraciiformes, the trogons and sub-oscines"

At this time it is appropriate to list the winners of the Alexander Wilson Prizes for 1975 and 1976 which have not been previously published in the Proceedings.

1975 Douglas W. Mock, "Vocabulary shifts during pair-formation in Great Blue Herons"

1976 Stephen R. Borecky, "The appendicular myology and phylogenetic affinities of the birds of paradise (Paradisacidae) and the bowerbirds (Ptilonorhynchidae)"

PAPERS SESSION

Travis McDaniel, Noxubee National Wildlife Refuge, Mississippi, *An introduction to Noxubee National Wildlife Refuge.*

Richard Bradley, Florida State Museum, Gainesville, Florida, *Hybridization in Calypte hummingbirds.*

Richard C. Banks, U.S. Fish and Wildlife Service, Washington, D.C., *Nomenclature of the Black-bellied Whistling (Tree) Duck.*

J. W. Hardy, University of Florida, *Reproductive behavioral ecology of the Southern San Blas Jay Cyanocorax s. sanblasiana.*

Glen E. Woolfenden, University of South Florida, Tampa, *Growth and survival of young Florida Scrub Jays.*

G. Thomas Bancroft, University of South Florida, Tampa, *Molt and breeding in Florida Scrub Jays.*

D. Bruce Barbour, University of South Florida, Tampa, *Territorial vocalizations of the Florida Scrub Jay.*

Lester L. Short, American Museum of Natural History, New York, *Introductory Remarks.*

Walter J. Bock, Columbia University, New York, *Morphology of the feeding apparatus of woodpeckers.*

H. Winkler, Austrian Academy of Sciences, Vienna, *Vocal and other behavior in the Strickland's Woodpecker.*

- Ernest E. Hoover, 1044 Webster St. NW, Grand Rapids, Michigan, *Iris color changes in the Hairy Woodpecker.*
- Lawrence Kilham, Dartmouth Medical School, Hanover, New Hampshire, *Nesting behavior of Yellow-bellied Sapsucker.*
- Luis F. Baptista, Occidental College, Los Angeles, California, *Revision of the Mexican Piculus complex.*
- Jerome A. Jackson, Mississippi State University, Mississippi State, *Home range, interspecific competition, and management for the Red-cockaded Woodpecker.*
- Lester L. Short, American Museum of Natural History, New York, *Burdens of the picid hole-nesting habit.*
- Alexander Cruz, University of Colorado, Boulder, Colorado, *Ecology of the Jamaican Woodpecker (Melanerpes radiolatus).*
- Randall Breitwisch, University of Miami, Coral Gables, Florida, *The ecology and behavior of the Red-bellied Woodpecker, Melanerpes carolinus, in South Florida.*
- Joseph B. Williams, Pepperdine University, Malibu, California, *Competition among bark-foraging birds in central Illinois: Experimental evidence.*
- W. Wilson Baker, Tall Timbers Research Station, Tallahassee, Florida, *Roosting behavior of Red-cockaded Woodpeckers in north Florida.*
- Robert G. Hooper, Michael R. Lennartz, and Richard F. Harlow, Southeastern Forest Experiment Station, Clemson, South Carolina, *Territory and home range sizes of the Red-cockaded Woodpecker.*
- Virginia Kirby, University of Arizona, Tucson, *Adaptive modifications in the ribs of woodpeckers (Picidae).*
- Richard N. Conner, Virginia Polytechnic Institute and State University, Blacksburg, *Bill and body size differences in woodpeckers: An alternate view.*
- Curtis S. Adkisson, Virginia Polytechnic Institute and State University, Blacksburg, *A comparison of the vocal behavior of Red and White-winged crossbills.*
- Irvine D. Prather, Virginia Polytechnic Institute and State University, Blacksburg, *Behavioral relationships between Black Vultures and Turkey Vultures.*
- John N. Mugaas, Southwestern at Memphis, Memphis, Tennessee, *Microclimatic analysis of Black-billed Magpie habitat using equivalent blackbody temperatures: Implications for thermal budgeting and behavioral thermoregulation.*
- Larry J. Miller, Louisiana State University, Baton Rouge, *The effects of altered photoperiod upon the migratory orientation in the White-throated Sparrow, Zonotrichia albicollis.*
- Bette J. Scharden, Mississippi State University, Mississippi State, *A comparative study of nestling development in Mockingbirds and Brown Thrashers.*
- David R. Maurer, University of Pittsburgh, Pittsburgh, Pennsylvania, *The appendicular myology and phylogenetic affinities of the alcediniform Coraciiformes, the trogons and the sub-oscines.*
- Ronald D. Drobney, University of Missouri-Columbia, Puxico, Missouri, *Feeding ecology of Wood Ducks in Missouri.*
- Alexander Cruz, University of Colorado, Boulder, Colorado, *Adaptive evolution in the Jamaican Blackbird, Nesopsar nigerrimus.*
- Elliot J. Tramer and Thomas R. Kemp, University of Toledo, Toledo, Ohio, *Foraging ecology of migrant warblers and vireos in the highlands of Costa Rica.*
- James R. Karr, University of Illinois, Champaign, *Intercontinental variation in the evolution of tropical rainforest avifaunas.*
- Noel O. Wamer, Florida State University and Tall Timbers Research Station, Tallahassee,

- Avian diversity and habitat in Florida: An analysis of a peninsular diversity gradient.* Robert C. Whitmore and E. James Harner, West Virginia University, Morgantown, *Analysis of multivariately determined community matrices using cluster analysis and multi-dimensional scaling.*
- Chandler S. Robbins and Danny Bystrak, U.S. Fish and Wildlife Service, Laurel, Maryland, *Recent changes in bird populations revealed by breeding bird survey.*
- Joseph M. Meyers, University of Georgia, Athens, *Effect of selected transmissionline rights-of-way treatments on forest bird communities.*
- T. Scott Taylor, University of Missouri-Columbia, Puxico, Missouri, *Avian use of moist soil impoundments.*
- James G. Dickson and Charles A. Segelquist, Southern Forest Experiment Station, Nacogdoches, Texas, *Breeding bird populations in pine and pine-hardwood forest stands in east Texas.*

ATTENDANCE

- ALABAMA: *Birmingham*, Fred Carney, Walter F. Coxe, Joseph A. Imhof, Thomas A. Imhof, Elberta G. Reid, Robert R. Reid, Jr.; *Jacksonville*, Bill Summerour; *Tuscaloosa*, Richard K. Crawford; *University*, David T. Rogers, Jr.
- ARIZONA: *Tucson*, Virginia Kirby.
- ARKANSAS: *Fayetteville*, Douglas James.
- CALIFORNIA: *Los Angeles*, Luis F. Baptista, Ralph W. Schreiber; *Malibu*, Joseph B. Williams.
- COLORADO: *Boulder*, Alexander Cruz; *Fort Collins*, Clait E. Braun.
- FLORIDA: *Coral Gables*, Randall Breitwisch; *Gainesville*, Erik J. Bitterbaum, Richard Bradley, John W. Hardy, Barbara Kimball, Sarah Sloane, Thomas A. Webber; *Lake Placid*, Fred E. Lohrer; *Orlando*, Richard V. Demmer; *Tallahassee*, Wilson W. Baker, Noel E. Wamer; *Tampa*, G. Thomas Bancroft, Douglas B. Barbour, Jim Rodgers, Glen B. Woolfenden; *Winter Haven*, Peggy MacQueen.
- GEORGIA: *Athens*, Joseph M. Meyers, *Atlanta*, Franklin McCamey; *Augusta*, Emil K. Urban.
- HAWAII: *Honolulu*, Andrew J. Berger.
- ILLINOIS: *Champaign*, James R. Karr; *Momence*, Mr. and Mrs. William T. Lory; *Rockford*, John T. Bergstrom.
- INDIANA: *Richmond*, Timothy Brush, Alan Simon.
- KANSAS: *Hays*, Charles A. Ely, Pat Lattas, Ren Lohofener.
- KENTUCKY: Ethel Woolfenden, Lester B. Woolfenden.
- LOUISIANA: *Baton Rouge*, J. W. Eley, Dick Ferrell, Robert B. Hamilton, Robert S. Kennedy, Dwight J. LeBlanc, Dr. and Mrs. George H. Lowery, Jr., Christina Lusk, Larry Miller, Mr. & Mrs. Bob Newman, Robert E. Noble, John P. O'Neill, John S. Sylvest, Dan Tallman, Erika Tallman; *Eunice*, Harland D. Guillory; *Franklin*, Jack H. Deshotels; *Monroe*, David Kee; *Shreveport*, Horace H. Jeter.
- MAINE: *Wayne*, Olin S. Pettingill, Jr.
- MARYLAND: *Boyd's*, Mary Schaefer; *Cumberland*, Bruce Lawson; *Frostburg*, James Mosher, Susan Mosher; *Laurel*, Chandler S. Robbins, Eleanor C. Robbins; *Lonaconing*, William J. Devlin.
- MASSACHUSETTS: *Manomet*, Kathleen S. Anderson.
- MICHIGAN: *Ann Arbor*, Janet Hinshaw, Stephen Hinshaw; *Grand Rapids*, Ernest Hoover; *Jackson*, Robert A. Whiting; *Pleasant Lake*, Hubert P. Zernickow, Norene E. Zernickow.

MINNESOTA: *Duluth*, P. B. Hofslund.

MISSISSIPPI: *Cleveland*, Mr. and Mrs. J. S. White; *Clinton*, DeAnne Smith, Marita Smith; *Columbus*, Thelma Barnes, William S. Parker; *Greenville*, Ed Alexander, Ginger Alexander; *Gulfport*, Jay Toups, Judith Toups; *Jackson*, Stephen W. Peterson, Annie C. Turcotte, W. H. Turcotte; *Kosciusko*, Rebecca W. Davis, Walter V. Davis, Ray E. Weeks; *Mississippi State*, Martha B. Hays, Jerome A. Jackson, Nancy Jackson, Wilma Mitchell, Patricia Ramey, Bette Schardien, Wayne Weber, Wendy Weber, Pat Shindala, Glenn Liming, Mike Christensen, Ardis Christensen, David Werschkul, Sue Werschkul, Oskar Zernickow, Keith Parsons, Joe Ferguson, Frances Fortenberry, Martha Ward, Tom Morrow, Glenn Clemmer, Sherry Clemmer, Ann McWhorter, Bob Esher, Kathy Esher, Courtney Hackney, Lois Kilgore, Lawrence Croft, Elsie Croft, Frances Windham, Arlie Wilson, Ethel Wilson; *Monticello*, Carl Bauer, Florence Bauer; *Shaw*, Nona Herbert; *Starkville*, E. W. Permenter, Bonnie Turner, Bill Hughes, Nellie Hughes, Florence Dunn, Burton S. Webster, Marjorie Webster, Caroline Bennett, Mrs. Gifford Bull, Julia Broyles, Travis McDaniel, Willena Ratliff; *Vicksburg*, Louis P. Cashman, Jr.

MISSOURI: *Cape Girardeau*, William R. Eddleman, Marie Heye, Paul L. Heye; *Columbia*, Jeffrey Brawn, Larry Vangilder; *Puxico*, Ronald Drobney, Judy Sherpelz, T. Scott Taylor.

NEW HAMPSHIRE: *Lyme*, Jane Kilham, Lawrence Kilham.

NEW JERSEY: *East Millstone*, John Jubon, Mary Jubon; *Mt. Holly*, Katherine Price.

NEW YORK: *Mamaronick*, Robert Arbib; *New York*, Susan R. Drennan, Lester L. Short.

NORTH CAROLINA: *Chapel Hill*, Helmut C. Mueller.

OHIO: *Columbus*, Abbot S. Gaunt, Sandra Gaunt; *Gambier*, Robert D. Burns; *Lakewood*, Nancy R. Klamm, William A. Klamm; *Waterville*, Harold Mayfield, Virginia Mayfield.

PENNSYLVANIA: *Pittsburgh*, David R. Maurer; *Washington*, Judi Ickes, Roy Ickes.

SOUTH CAROLINA: *Clemson*, Sidney A. Gauthreaux, Jr., Michael R. Lennartz; *Seneca*, Robert G. Hooper.

TENNESSEE: *Martin*, David Pitts, Marion Pitts; *Maryville*, Ralph J. Zaenglein; *Memphis*, Diane Bean, Ben B. Coffey, Jr., Lula C. Coffey, Helen Dinkelspiel, Henry Dinkelspiel, John Mugaas, Lynn Mugaas, Martha Waldron; *Nashville*, Morris D. Williams.

TEXAS: *Baytown*, Mary K. Jones; *Nacogdoches*, James G. Dickson, Debbie A. Ellis, Charles D. Fisher, James Kroll; *Sherman*, Charles R. Brown, Sam D. Wolfe, III.

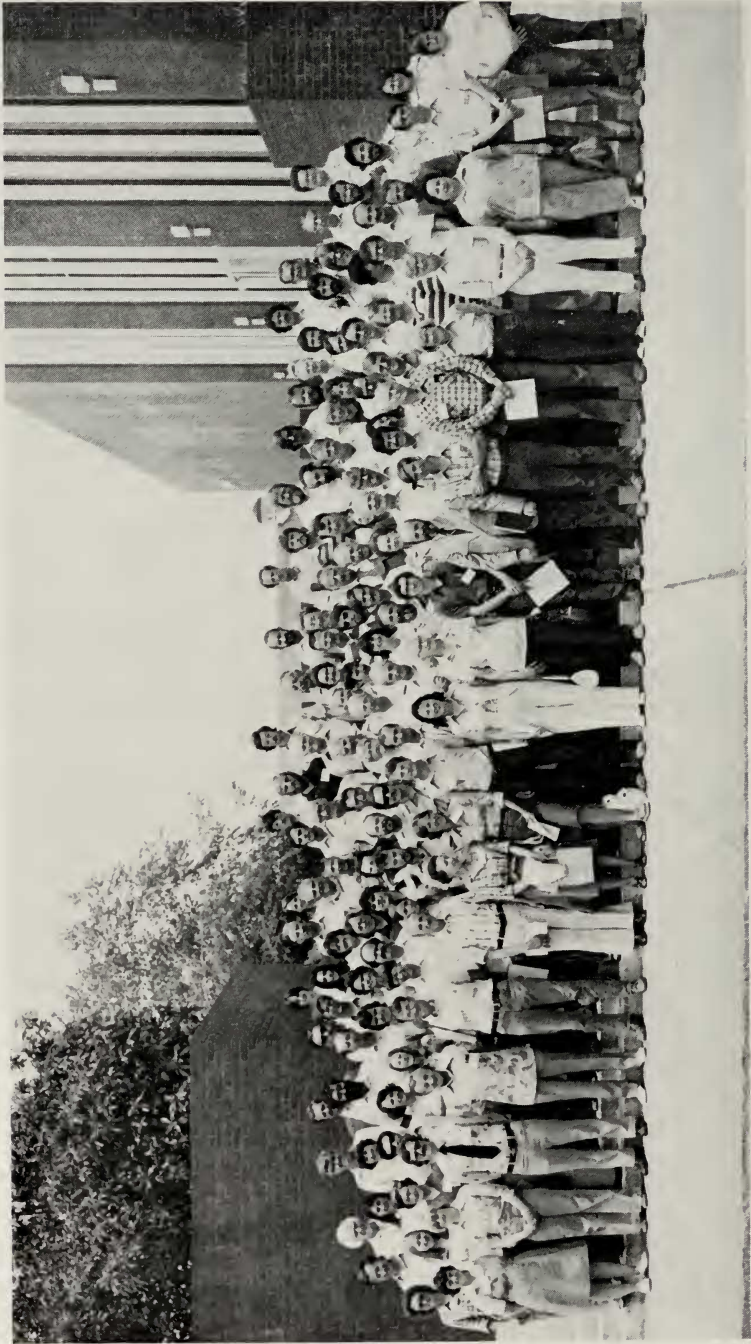
VIRGINIA: *Blacksburg*, Curtis S. Adkisson, Richard N. Conner, Irvine D. Prather.

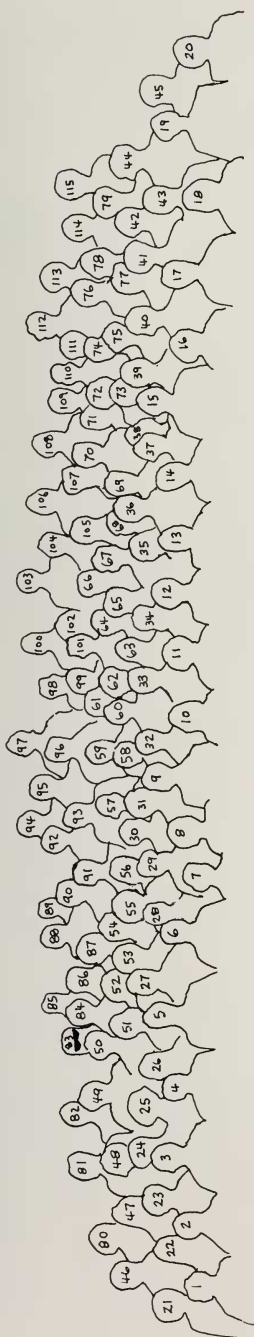
WASHINGTON, D.C.: Richard Banks, Ralph M. Browning.

WEST VIRGINIA: *Charleston*, Anne Shreve, Harvey Shreve, Jr.; *Morgantown*, George A. Hall, Robert C. Whitmore.

WISCONSIN: *Milwaukee*, Charles M. Weise.

FOREIGN COUNTRIES: *Austria*, Hans Winkler; *Kenya*, Jenny Horne.





- Key to attendees 1977 Wilson Ornithological Society meeting: 1. N. A. Jackson, 2. B. J. Schardien, 3. J. A. Jackson, 4. A. J. Berger, 5. C. Braun, 6. J. S. White, 7. Mrs. J. S. White, 8. M. Shaefer, 9. D. James, 10. P. MacQueen, 11. H. Lory, 12. C. R. Brown, 13. J. W. Hardy, 14. T. Webber, 15. H. Zernickow, 16. N. E. Zernickow, 17. R. A. Whiting, 18. N. Herbert, 19. D. Pitts, 20. S. Wolfe, 21. P. Ramey, 22. W. Weber, 23. M. Ward, 24. A. S. Gaunt, 25. S. L. Gaunt, 26. S. Sloane, 27. J. Mugaas, 28. B. Kimbell, 29. B. Lenson, 30. F. T. Carney, 31. S. Peterson, 32. C. M. Weise, 33. O. S. Pettingill, Jr., 34. J. Mosher, 35. J. Lowery, 36. H. Mayfield, 37. E. B. Herbaum, 38. J. Horne, 39. J. B. Williams, 40. R. Whitmore, 41. C. Adkisson, 42. H. D. Guillery, 43. D. Fisher, 44. D. Leblanc, 45. M. Jones, 46. W. Weber, 47. M. Hays, 48. P. Shindala, 49. R. Schreiber, 50. F. Lohrer, 51. R. Bradley, 52. J. W. Eley, 53. R. Conner, 54. T. Schulenberg, 55. A. Cruz, 56. E. C. Robbins, 57. R. Banks, 58. L. Coffey, 59. W. A. Klamun, 60. F. McCamey, 61. N. R. Klamun, 62. I. D. Prather, 63. E. Tallman, 64. M. R. Browning, 65. D. A. Tallman, 66. R. J. Zaenglein, 67. C. H. Lowery, 68. V. Kirby, 69. E. Urban, 70. J. Dickson, 71. L. Miller, 72. D. Ellis, 73. L. L. Short, 74. J. Kroll, 75. J. Bergstrom, 76. B. R. Ferrell, 77. J. Deshotels, 78. A. Simon, 79. T. Brush, 80. F. Dunn, 81. R. Weeks, 82. R. Noble, 83. H. Mueller, 84. R. Hamilton, 85. J. Hinshaw, 86. S. R. Drennan, 87. K. Anderson, 88. R. Arbib, 89. J. Scherpelz, 90. G. Hall, 91. C. Robbins, 92. M. Williams, 93. B. Coffey, Jr., 94. W. Eddleman, 95. R. Breitwisch, 96. R. Newman, 97. L. Vangilder, 98. C. L. Bauer, 99. M. Newman, 100. J. Karr, 101. D. T. Rogers, 102. F. Bauer, 103. E. J. Tramer, 104. D. Maurer, 105. J. M. Meyers, 106. D. Woodard, 107. J. Brawn, 108. G. T. Bancroft, 109. J. A. Rodgers, Jr., 110. K. Price, 111. R. S. Kennedy, 112. D. B. Barbour, 113. C. Woolfenden, 114. L. Woolfenden, 115. E. Woolfenden. (Silhouettes by Ookie.)